

PF-0471-3 DIV

<110> LAL, Preeti G; GUEGLER, Karl J.
CORLEY, Neil C.

<120> HUMAN ENA/VASP-LIKE PROTEIN SPLICE VARIANT

<130> PF-0471-3 DIV

<140> To Be Assigned

<141> Herewith

<150> US 09/387,811
<151> 1999-09-01

<150> US 09/227,420
<151> 1999-01-08

<150> US 09/026,587
<151> 1998-02-20

<160> 4

<170> PERL Program

<210> 1

<211> 418

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3089412

<400> 1

Met	Ala	Thr	Ser	Glu	Gln	Ser	Ile	Cys	Gln	Ala	Arg	Ala	Ser	Val
1										10				15
Met	Val	Tyr	Asp	Asp	Thr	Ser	Lys	Lys	Trp	Val	Pro	Ile	Lys	Pro
	20									25				30
Gly	Gln	Gln	Gly	Phe	Ser	Arg	Ile	Asn	Ile	Tyr	His	Asn	Thr	Ala
				35						40				45
Ser	Asn	Thr	Phe	Arg	Val	Val	Gly	Val	Lys	Leu	Gln	Asp	Gln	Gln
				50					55					60
Val	Val	Ile	Asn	Tyr	Ser	Ile	Val	Lys	Gly	Leu	Lys	Tyr	Asn	Gln
				65					70					75
Ala	Thr	Pro	Thr	Phe	His	Gln	Trp	Arg	Asp	Ala	Arg	Gln	Val	Tyr
				80					85					90
Gly	Leu	Asn	Phe	Ala	Ser	Lys	Glu	Glu	Ala	Thr	Thr	Phe	Ser	Asn
				95					100					105
Ala	Met	Leu	Phe	Ala	Leu	Asn	Ile	Met	Asn	Ser	Gln	Glu	Gly	Gly
				110					115					120
Pro	Ser	Ser	Gln	Arg	Gln	Val	Gln	Asn	Gly	Pro	Ser	Pro	Asp	Glu
				125					130					135
Met	Asp	Ile	Gln	Arg	Arg	Gln	Val	Met	Glu	Gln	His	Gln	Gln	Gln
				140					145					150
Arg	Gln	Glu	Ser	Leu	Glu	Arg	Arg	Thr	Ser	Ala	Thr	Gly	Pro	Ile
				155					160					165
Leu	Pro	Pro	Gly	His	Pro	Ser	Ser	Ala	Ala	Ser	Ala	Pro	Val	Ser
				170					175					180
Cys	Ser	Gly	Pro	Leu	Val	Pro	Pro	Pro						
				185					190					195
Pro	Thr	Gly	Ala	Thr	Pro	Pro	Pro	Pro	Pro	Leu	Pro	Ala	Gly	

200	205	210
Gly Ala Gln Gly Ser Ser His Asp Glu	Ser Ser Met Ser Gly	Leu
215	220	225
Ala Ala Ala Ile Ala Gly Ala Lys Leu	Arg Arg Val Gln Arg	Pro
230	235	240
Glu Asp Ala Ser Gly Gly Ser Ser Pro	Ser Gly Thr Ser Lys	Ser
245	250	255
Asp Ala Asn Arg Ala Ser Ser Gly Gly	Gly Gly Gly	Leu Met
260	265	270
Glu Glu Met Asn Lys Leu Leu Ala Lys	Arg Arg Lys Ala Ala	Ser
275	280	285
Gln Ser Asp Lys Pro Ala Glu Lys Lys	Glu Asp Glu Ser Gln	Met
290	295	300
Glu Asp Pro Ser Thr Ser Pro Ser Pro	Gly Thr Arg Ala Ala	Ser
305	310	315
Gln Pro Pro Asn Ser Ser Glu Ala Gly	Arg Lys Pro Trp Glu	Arg
320	325	330
Ser Asn Ser Val Glu Lys Pro Val Ser	Ser Ile Leu Ser Arg	Thr
335	340	345
Pro Ser Val Ala Lys Ser Pro Glu Ala	Lys Ser Pro Leu Gln	Ser
350	355	360
Gln Pro His Ser Arg Met Lys Pro Ala	Gly Ser Val Asn Asp	Met
365	370	375
Ala Leu Asp Ala Phe Asp Leu Asp Arg	Met Lys Gln Glu Ile	Leu
380	385	390
Glu Glu Val Val Arg Glu Leu His Lys	Val Lys Glu Glu Ile	Ile
395	400	405
Asp Ala Ile Arg Gln Glu Leu Ser Gly	Ile Ser Thr Thr	
410	415	

<210> 2
<211> 1889
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3089412

<400> 2

```
ttaagtagg ctataaaaat caagttgctg tcttcagagg gtctgtggtc ctctgatcaa 60
cataggctgg tgggagtaca ggactcgccc cctcagggtt ccctgtgctg ccactttca 120
gccatggcca caagtgaaca gagtatctgc caagccccc 360
gacaccagta agaaaatgggt accaatcaaa cctggccagc agggattcag ccggatcaac 240
atctaccaca acactgccag caacacccccc agagtcgttg gagtcaagtt gcaggatcag 300
caggttgtga tcaattattc aatcgtaaaa gggctgaagt acaatcaggc caccggccacc 360
ttccaccagt ggcgagatgc ccggccaggc tacggcttaa actttgcaag taaaagaagag 420
gcaaccacgt tctccaatgc aatgctgttt gccctgaaca tcatgaattt ccaagaagga 480
ggccccctcca gccagcgtca ggtgcagaat ggcccccttc ctgatgagat ggacatccag 540
agaagacaag tgatggagca gcaccagcag cagcgtcagg aatctctaga aagaagaacc 600
tcggcccacag ggcccatcct cccaccaggc catccttcat ctgcagccag cgccccccgtc 660
tcatgtatg ggcctccacc gccccccccc cctctagttcc caccccccacc cactggggct 720
accccaccc ccccacccccc actgccagcc ggaggagccc aggggtccag ccacgacgag 780
agctccatgt caggactggc cgctgccata gctggggcca agctgagaag agtccaacgg 840
ccagaagacg catctggagg ctccagtccc agtggggaccc caaagtccga tgcccaaccgg 900
gcaaggcagcg ggggtggcgg aggaggcctc atggaggaaa tgaacaaact gctggccaag 960
aggagaaaaag cagcctccca gtcagacaag ccagccgaga agaaggaaga taaaagccaa 1020
atggaagatc ctagtacctc cccctctccg gggacccgag cagccagccca gccaccta 1080
tcctcagagg ctggccggaa gccctggag cggagcaact cggtgagaa gcctgtgtcc 1140
```

tcgattctgt ccagaacccc gtctgtggca aagagcccg aagctaagag cccccttcag 1200
 tcgcagcctc actctaggat gaagcctgct gggagcgtga atgacatggc cctggatgcc 1260
 ttcgacttgg accggatgaa gcaggagatc ctagaggagg tggtgagaga gctccacaag 1320
 gtgaaggagg agatcatcga cgccatcagg caggagctga gtgggatcag caccacgtaa 1380
 ggggcccccc tcgctgcgt gattcgtcga gcccatccgg cgacagagga cagccagaag 1440
 cccagccagc cccagactcc agtgcaccag agcacgcaca ggagcctggg cgcgctgctg 1500
 tgaaacgtcc tgacctgtga tcacacatga cagtgaggaa accaagtgcactcctgggt 1560
 tttttttaga ttctgcctga cacggaacac caggtctgct cgtctttttt gtgtttata 1620
 ttgcttatt taaggtaat ttctttgggt ttcttagagac gcccctaagt cacctgcttc 1680
 attagacggt ttccaggtt tctcccaggt gacgctgtta ggcgcctcagc tggcgggtgac 1740
 agccggccca gcgtggcgcc accacacacc gcagagctgt ccaggcacag ctccgtcccc 1800
 agcgctcatg gtgtgaaac tgtctgtcat gcaccacggt gtctgtgtcc acacagtaat 1860
 aaacggttta ctgtccgcaa aaaaaaaaaa 1889

<210> 3
 <211> 393
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> GenBank ID No: g1644453

<400> 3
 Met Ser Glu Gln Ser Ile Cys Gln Ala Arg Ala Ser Val Met Val
 1 5 10 15
 Tyr Asp Asp Thr Ser Lys Lys Trp Val Pro Ile Lys Pro Gly Gln
 20 25 30
 Gln Gly Phe Ser Arg Ile Asn Ile Tyr His Asn Thr Ala Ser Ser
 35 40 45
 Thr Phe Arg Val Val Gly Val Lys Leu Gln Asp Gln Gln Val Val
 50 55 60
 Ile Asn Tyr Ser Ile Val Lys Gly Leu Lys Tyr Asn Gln Ala Thr
 65 70 75
 Pro Thr Phe His Gln Trp Arg Asp Ala Arg Gln Val Tyr Gly Leu
 80 85 90
 Asn Phe Ala Ser Lys Glu Glu Ala Thr Thr Phe Ser Asn Ala Met
 95 100 105
 Leu Phe Ala Leu Asn Ile Met Asn Ser Gln Glu Gly Gly Pro Ser
 110 115 120
 Thr Gln Arg Gln Val Gln Asn Gly Pro Ser Pro Glu Glu Met Asp
 125 130 135
 Ile Gln Arg Arg Gln Val Met Glu Gln Gln His Arg Gln Glu Ser
 140 145 150
 Leu Glu Arg Arg Ile Ser Ala Thr Gly Pro Ile Leu Pro Pro Gly
 155 160 165
 His Pro Ser Ser Ala Ala Ser Thr Thr Leu Ser Cys Ser Gly Pro
 170 175 180
 Pro Pro Pro Pro Pro Pro Val Pro Pro Pro Pro Thr Gly Ser
 185 190 195
 Thr Pro Pro Pro Pro Pro Leu Pro Ala Gly Gly Ala Gln Gly
 200 205 210
 Thr Asn His Asp Glu Ser Ser Ala Ser Gly Leu Ala Ala Ala Leu
 215 220 225
 Ala Gly Ala Lys Leu Arg Arg Val Gln Arg Pro Glu Asp Ala Ser
 230 235 240
 Gly Gly Ser Ser Pro Ser Gly Thr Ser Lys Ser Asp Ala Asn Arg
 245 250 255
 Ala Ser Ser Gly Gly Gly Gly Leu Met Glu Glu Met Asn

260	265	270
Lys Leu Leu Ala Lys Arg Arg Lys Ala Ala Ser Gln Thr Asp Lys		
275	280	285
Pro Ala Asp Arg Lys Glu Asp Glu Ser Gln Thr Glu Asp Pro Ser		
290	295	300
Thr Ser Pro Ser Pro Gly Thr Arg Ala Thr Ser Gln Pro Pro Asn		
305	310	315
Ser Ser Glu Ala Gly Arg Lys Pro Trp Glu Arg Ser Asn Ser Val		
320	325	330
Glu Lys Pro Val Ser Ser Leu Leu Ser Arg Val Lys Pro Ala Gly		
335	340	345
Ser Val Asn Asp Val Gly Leu Asp Ala Leu Asp Leu Asp Arg Met		
350	355	360
Lys Gln Glu Ile Leu Glu Glu Val Val Arg Glu Leu His Lys Val		
365	370	375
Lys Glu Glu Ile Ile Asp Ala Ile Arg Gln Glu Leu Ser Gly Ile		
380	385	390
Ser Thr Thr		

<210> 4
<211> 380
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> GenBank ID No: g624964

<400> 4

Met Ser Glu Thr Val Ile Cys Ser Ser Arg Ala Thr Val Met Leu		
1	5	10
Tyr Asp Asp Gly Asn Lys Arg Trp Leu Pro Ala Gly Thr Gly Pro		
20	25	30
Gln Ala Phe Ser Arg Val Gln Ile Tyr His Asn Pro Thr Ala Asn		
35	40	45
Ser Phe Arg Val Val Gly Arg Lys Met Gln Pro Asp Gln Gln Val		
50	55	60
Val Ile Asn Cys Ala Ile Val Arg Gly Val Lys Tyr Asn Gln Ala		
65	70	75
Thr Pro Asn Phe His Gln Trp Arg Asp Ala Arg Gln Val Trp Gly		
80	85	90
Leu Asn Phe Gly Ser Lys Glu Asp Ala Ala Gln Phe Ala Ala Gly		
95	100	105
Met Ala Ser Ala Leu Glu Ala Leu Glu Gly Gly Pro Pro Pro		
110	115	120
Pro Pro Ala Leu Pro Thr Trp Ser Val Pro Asn Gly Pro Ser Pro		
125	130	135
Glu Glu Val Glu Gln Gln Lys Arg Gln Gln Pro Gly Pro Ser Glu		
140	145	150
His Ile Glu Arg Arg Val Ser Asn Ala Gly Gly Pro Pro Ala Pro		
155	160	165
Pro Ala Gly Gly Pro Pro Pro Pro Pro Gly Pro Pro Pro Pro Pro		
170	175	180
Gly Pro Pro Pro Pro Pro Gly Leu Pro Pro Ser Gly Val Pro Ala		
185	190	195
Ala Ala His Gly Ala Gly Gly Pro Pro Pro Ala Pro Pro Leu		
200	205	210
Pro Ala Ala Gln Gly Pro Gly Gly Ala Gly Ala Pro Gly		

	215	220	225
Leu Ala Ala Ala Ile Ala Gly Ala Lys	Leu Arg Lys Val Ser	Lys	
230	235	240	
Gln Glu Glu Ala Ser Gly Gly Pro Thr	Ala Pro Lys Ala Glu	Ser	
245	250	255	
Gly Arg Ser Gly Gly Gly Leu Met	Glu Glu Met Asn Ala Met		
260	265	270	
Leu Ala Arg Arg Arg Lys Ala Thr Gln	Val Gly Glu Lys Thr	Pro	
275	280	285	
Lys Asp Glu Ser Ala Asn Gln Glu Glu	Pro Glu Ala Arg Val	Pro	
290	295	300	
Ala Gln Ser Glu Ser Val Arg Arg Pro	Trp Glu Lys Asn Ser	Thr	
305	310	315	
Thr Leu Pro Arg Met Lys Ser Ser Ser	Val Thr Thr Ser	Glu	
320	325	330	
Thr Gln Pro Cys Thr Pro Ser Ser Ser	Asp Tyr Ser Asp Leu	Gln	
335	340	345	
Arg Val Lys Gln Glu Leu Leu Glu Glu	Val Lys Lys Glu Leu	Gln	
350	355	360	
Lys Val Lys Glu Glu Ile Ile Glu Ala	Phe Val Gln Glu Leu	Arg	
365	370	375	
Lys Arg Gly Ser Pro			
380			